

Listing of Claims

1. (Original) A location system, comprising:
an area agent, comprising a presence application;
a presence server, collecting location awareness information supporting the
presence application; and
a local area server, returning location information in response to a request from
the area agent;
wherein the area agent generates the location awareness information according
to the location information obtained from the local area server.
2. (Original) The location awareness system according to claim 1, wherein the
request sent from the area agent comprises an area tag, according to which, the local
area server seeks the location information.
3. (Original) The location awareness system according to claim 1, wherein the
area agent directly submits the location awareness information to the presence server.
4. (Original) The location awareness system according to claim 1, further
comprises a relay forwarding and managing information exchange between the area
agent and the local area server.
5. (Original) The location awareness system according to claim 4, wherein the
relay downloads location information from the local area server for periodic update.

6. (Original) The location awareness system according to claim 4, wherein the relay retrieves the location awareness information from the area agent for submission to the local area server, which then transfers the location awareness information to the presence server.

7. (Original) The location awareness system according to claim 1, further comprises an authentication server assigning an authentication code to the area agent.

8. (Original) The location awareness system according to claim 7, wherein the request sent from the area agent comprises the authentication code, and the local area server returns location information according to the authentication code.

9. (Original) The location awareness system according to claim 7, wherein the authentication server further comprises a relay for forwarding and managing information exchange between the area agent and the local area server.

10. (Original) The location awareness system according to claim 9, wherein the relay collects the location awareness information from the area agent for submission to the local area server, which then publishes the location awareness information to the presence server.

11. (Original) A location awareness method for operating a presence application in an area agent, comprising the steps of:

- acquiring an area tag;
- requesting location information from a local area server by sending the area tag;
- obtaining the location information from the local area server;
- generating location awareness information accordingly; and
- submitting the location awareness information.

12. (Original) The location awareness method according to claim 11, wherein the location awareness information is directly submitted to a presence server.

13. (Original) The location awareness method according to claim 11, wherein the location awareness information is submitted to a relay for transmission to the local area server.

14. (Original) The location awareness method according to claim 11, wherein the location awareness information is submitted to the local area server.

15. (Original) The location awareness method according to claim 11, further comprises acquiring an authentication code from a authentication server and sending the authentication code together with the area tag to the local area server to obtain the location information.

16. (Newly Added) The location awareness system according to claim 1, wherein the present server is disposed in a exterior network, and the local area server is disposed in a local area network.